RGB1 User Manual

Specifications:

- Construction: Aluminum
- LED: red 6 pcs., green 6 pcs., blue 6pcs
- LED Power: 1 Watt (x 18 pcs)
- LED Current: 320 mA (x 18 pcs)
- LED Beam Angle: 25°
- LED Lifetime: 80,000-100,000 hours
- Possible Color Combinations: 16.7 million
- Dimming: 0-100% with regulated constant color control
- Strobing: 10 Flashes per second (any color)
- Power Consumption: 18 Watts
- Brightness: 7500 Lux at 1 Meter
- Operation Modes: DMX512, Manual, Sound, Internal programs
- DMX Control: 7 Channels
- Control Panel: Digital 4 Character Alphanumeric
- Voltage: Automatic Switching, Range DC12V, 50Hz/60Hz
- Maximum Ambient Temperature: 40°C
- Package Size: 25.5 X 25.5 X 36.5cm
- Gross Weight: 4.8 kg

Channel Listing:

Channel	Value	Description
CH1	0	Red OFF
	1-255	Increasing Brightness
CH2	0	Green OFF
	1-255	Increasing Brightness
CH3	0	Blue OFF
	1-255	Increasing Brightness
CH4	0-255	Master Dimmer
CH5	0-255	Strobe and Speed of Strobe
CH6	0-255	Speed
CH7	0-2	Channel Not Active
	3-49	Strobe
	50-100	Present Colors
	101-150	Slow Color Fades
	151-200	Quick Color Fades
	201-250	Color Changes by Snapping
	251-255	Colors Change to Sound

Modes of Operation:

There are four modes of operation: DMX control (Slave), Sound, Automatic, and Manual. In the Sound, Automatic, and Manual settings, the unit will perform independently and will send DMX signal, so that the other fixtures may be linked. This is useful if you want every fixture doing the same thing and do not wish to use an external DMX controller. All menu settings will be retained even after the lights have been powered off.

- DMX Control- Fixture is remotely controlled via a DMX controller (sold separately).
- Sound Control- Fixture changes color in response to noise

- Manual Control- Color is manually set via the control pad
- Automatic Color Cycle- Unit cycles through colors automatically. User sets whether fade is instant or slow, whether 3 or 7 colors are used, and the length of time between fades.

d001

d511

3CH mode/Slave mode

d.001

d.511

7CH mode

Fd01

Fd99

Change colors by Fading

Sn01

Sn99

Change colors by Snapping

R(B,G)

0-255

Color balance

SoUD

SoUd

Sound Mode

d001	3CH mode/ Slave Mode	7CH Mode	Change Colors by Fading	Change Colors by Snapping	Sound Mode
d511	d.001	Fd01	Sn01	R(B,G)	SoUD
	d.511	Fd99	Sn99	0-255	

1. DMX Control

- If you wish to control the unit remotely via DMX, you will need a DMX controller. Connect an XLR cable to the controller's DMX output and the fixture's input.
- Set the fixture to receive DMX Signal
- Press and hold **'MENU'** button until display says **d001** or **d.001**.
- Press **'ENTER'**, then the fixture will receive the DMX 512 signal.
- Press **UP** or **DOWN** to select the desired address.
- Press **ENTER** button to activate the selection.

2. Sound Activation (color changes in response to loud noises)

- Press and hold **'MENU'** button until the display panel says **SoUd** (short for sound).

3. Manual Control

Press and hold **'MENU'** button until display panel says EE01 to EE99

Co001- Full Color (white)

Co002- Red Color

Co003- Green Color

Co004- Blue Color

……each color mixture

4. Automatic Color Cycle

- Press ‘MENU’, the display panel will say Sn01- Sn99, this mode will allowing “snapping” of one color to the next. The increasing number value signifies the rate of change.
- Press ‘MENU’, the display panel will say Fd01- Fd99, this mode will allowing “fading” of one color to the next. The increasing number value signifies the rate of change.